Claims

1. Device,

characterized in that said device has two table-like supporting plates (8) which serve as operating and functional units, each having a longitudinal and transverse extension and being situated parallel to one another in a frame (20) that can be stationarily fixed in place, and each being mounted separately and independent of one another so as to be movable in three dimensions, and that at least one motorized drive (16, 17) is provided which sets the table-like supporting plates (8) in oscillating motion in at least one dimension, independent of one another.

2. Device according to Claim 1,

characterized in that each of the two frame- or table-like supporting plates (8) is positioned at both its end regions on forked mountings (7), each of which is movable in three dimensions and which accommodates bearings (9) for both ends of axle shafts (5) of eccentric rollers (3), and that the eccentric rollers (3) are supported on one side by drive rollers (2) and on the other side by support rollers (4), and that the double-ended drive rollers (2) are set in synchronous or asynchronous rotational motion, in the same or different directions, by at least one motorized drive (16, 17), and that above the eccentric rollers (3) limiting rollers (11) are situated which have a small interspace "d" with respect to the eccentric rollers (3).

3. Device according to Claim 1,

characterized in that each of the two frame- or table-like

supporting plates (8) is positioned at both its end regions on forked mountings (7), each of which is movable in three dimensions and which accommodates bearings (9) for both ends of axle shafts (5) of eccentric rollers (3), and that the eccentric rollers (3) are supported on one side by drive rollers (2) and on the other side by support rollers (4), and that the double-ended drive rollers (2) are set in synchronous or asynchronous rotational motion, in the same or different directions, by at least one motorized drive (16, 17), and that above the eccentric rollers (3) limiting rollers (11) are situated which have a small interspace "d" with respect to the eccentric rollers 83) [sic; (3)], and that the forked mountings (7) which are movable in three dimensions are connected at their upper flattened ends to pads (13) made of an elastic, resilient material, and that the supporting plates (8) are supported on these pads (13) and as a result of this mounting can be moved by limited amounts on account of the additional degree of freedom thus provided in the transverse direction and in their longitudinal direction.

4. Device according to Claim 1,

characterized in that each of the two frame- or table-like supporting plates (8) is positioned at both its end regions on forked mountings (7), each of which is movable in three dimensions and which accommodates bearings (9) for both ends of axle shafts (5) of eccentric rollers (3), and that the eccentric rollers (3) are supported on one side by drive rollers (2) and on the other side by support rollers (4), and that the double-ended drive rollers (2) are set in synchronous or asynchronous rotational motion, in the same or different directions, by at least one motorized drive (16, 17),

and that above the eccentric rollers (3) limiting rollers (11) are situated which have a small interspace "d" with respect to the eccentric rollers (3), and that the forked mountings (7) which are movable in three dimensions have an articulated joint connection to the supporting plates (8), which as a result of this mounting can be moved by limited amounts on account of the additional degree of freedom thus provided in the transverse direction and in their longitudinal direction.

5. Device according to Claim 1,
characterized in that each of the two frame- or table-like supporting plates (8) is positioned at both its end regions on forked mountings (7), each of which is movable in three dimensions and which accommodates bearings (9) for both ends of axle shafts (5) of eccentric rollers (3), and that the eccentric rollers (3) are supported on one side by drive rollers (2) and on the other side by support rollers (4), and that the double-ended drive rollers (2) are set in synchronous or asynchronous rotational motion, in the same or different directions, by at least one motorized drive (16, 17), and that above the eccentric rollers (3) limiting rollers (11) are situated which have a small interspace "d" with respect to the eccentric rollers (3), and that the forked mountings (7) which are movable in three dimensions are connected to the supporting plates (8) in which rollers or cylindrical roller bearings (18) [sic; (28)] are guided which are connected to the mountings (7) by bearing journals (29), by which the supporting plates (8) may be longitudinally moved by limited amounts with respect to the mountings (7).

6. Device according to Claim 1,

characterized in that each of the two frame- or table-like supporting plates (8) is positioned at both its end regions on forked mountings (7), each of which is movable in three dimensions and which accommodates bearings (9) for both ends of axle shafts (5) of eccentric rollers (3), and that the eccentric rollers (3) are supported on one side by drive rollers (2) and on the other side by support rollers (4), and that the double-ended drive rollers (2) are set in synchronous or asynchronous rotational motion, in the same or different directions, by at least one motorized drive (16, 17), and that above the eccentric rollers (3) limiting rollers (11) are situated which have a small interspace "d" with respect to the eccentric rollers (3), and that the forked mountings (7) which are movable in three dimensions are connected to the supporting plates (8), to which longitudinal tilting axles extending in the "x" axis are fastened and upon which cover plates (14) are mounted by means of axle blocks (24) so as to be tiltable in the transverse direction.

7. Device according to Claim 1,

characterized in that each of the two frame- or table-like supporting plates (8) is positioned at both its end regions on forked mountings (7), each of which is movable in three dimensions and which accommodates bearings (9) for both ends of axle shafts (5) of eccentric rollers (3), and that the eccentric rollers (3) are supported on one side by drive rollers (2) and on the other side by support rollers (4), and that the double-ended drive rollers (2) are set in synchronous or asynchronous rotational motion, in the same or different directions, by at least one motorized drive (16, 17),

and that above the eccentric rollers (3) limiting rollers (11) are situated which have a small interspace "d" with respect to the eccentric rollers (3), and that the forked mountings (7) which are movable in three dimensions are connected to the supporting plates (8), to which longitudinal hinges (24, 30) extending in the x axis are fastened and upon which cover plates 814) [sic; (14)] are mounted by means of composite pieces so as to be tiltable in the transverse direction.

8. Device according to Claim 2,
characterized in that a further possibility exists for connecting the cover plates (14) to the supporting plate (8) by means of bearing blocks (33) which are joined to the supporting plate (8) by screws (32).

9. Device according to Claim 2,
characterized in that the cover plates (14) are mounted on an elastic intermediate bearing disk (36) by screw bolts (35) in the respective central surface area of the supporting plates (8) so as to enable slight movement in three dimensions, the mobility of same in the transverse and longitudinal directions being limited by stationary positioning bolts (38) which engage in sickle-shaped slits (37) present in the cover plates (14).

10. Device according to Claim 6,
characterized in that the mobility of the cover plates (14) on the supporting plates (8) may be limited or eliminated by slider bars that are movable on the supporting plates (8) in conjunction with the adjusting screws (40, 43 respectively) when the slider bars are

moved in the direction of the cover plates (14) and totally or partially fixed in place by a positioning slot (41) or by ramp-shaped inclined surfaces (46, 47) of sliding pieces (44, 45) that are oppositely directed on the cover plates (14).

11. Device according to Claim 2,
characterized in that the eccentric rollers (3) have a convex shell surface with a degree of convexity between 1.00 mm and 10.00 mm.

12. Device according to Claim 2,
characterized in that the limiting rollers (11) have a convex shell surface with a degree of convexity between 1.00 mm and 10.00 mm.

13. Device according to Claim 1,
characterized in that the supporting plates (8) or the cover plates (14) are provided with fastening devices for the detachable, impact- and vibration-free connection of a receptacle for a vessel for accommodating a free-flowing material, or for a mounting for securing solid bodies, objects, or limbs of humans or animals.

14. Device according to Claim 13,
characterized in that the mounting includes a shoe that is used to fixedly place or insert the solid body, object, or limbs of humans or animals to be secured.

15. Device according to Claim 14,
characterized in that the mounting includes belts and/or straps with buckles, and may be provided with support mountings or adjustable clips which are suitable for connecting to human or animal limbs.